



(425) 420-9200 FAX 420-9210
(509) 924-9200 924-9290
(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

Work Order #: M106093

CLIENT: BRISTOL		INVOICE TO: BRISTOL		TURNAROUND REQUEST in Business Days*									
REPORT TO: ANNE KRANAWETTER				Organic & Inorganic Analyses									
ADDRESS: AMCHITKA ISLAND, AK				10	7	5	4	3	2	1	<1		
PHONE: 907-770-0974 FAX: 770-0975		P.O. NUMBER: 21090		STD. Petroleum Hydrocarbon Analyses									
PROJECT NAME: AMCHITKA		REQUESTED ANALYSES		5	4	3	2	1	<1	STD. Please Specify			
PROJECT NUMBER: 21090				OTHER									
SAMPLED BY:				*Turnaround Requests less than standard may incur Rush Charges.									
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PCBS								MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. OIAMTEOIMI	6/29/01 1405	X								W	1		
2. OIAMLAOIMJ	6/29/01 1407	X								Sludge	1		
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
RELINQUISHED BY: Charlie Marshall		FIRM: BRISTOL		DATE: 6/29/01 TIME: 14:15		RECEIVED BY: Mike Stephen		FIRM: NCA		DATE: 6/29/01 TIME: 1515			
RELINQUISHED BY:		FIRM:		DATE:		RECEIVED BY:		FIRM:		DATE:			
PRINT NAME:		FIRM:		TIME:		PRINT NAME:		FIRM:		TIME:			
ADDITIONAL REMARKS: OIAMTEOIMI = Lagoon Treated water before Discharge												TEMP:	PAGE OF



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/29/01 15:15. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106093



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 00:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMTE01MI	M106093-01	Water	06/29/01 14:05	06/29/01 15:15
01AMLA01MI-A	M106093-02	Soil	06/29/01 14:07	06/29/01 15:15

COC #128

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 00:02

Polychlorinated Biphenyls per EPA Method 8082
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMTE01MI (M106093-01) Water

Sampled: 06/29/01 Received: 06/29/01

Aroclor 1016	ND	0.200	ug/l	1	EPA 8082	06/30/01	07/01/01	0106106	
Aroclor 1221	ND	0.400	"	"	"	"	"	"	
Aroclor 1232	ND	0.200	"	"	"	"	"	"	
Aroclor 1242	ND	0.200	"	"	"	"	"	"	
Aroclor 1248	ND	0.200	"	"	"	"	"	"	
Aroclor 1254	ND	0.200	"	"	"	"	"	"	
Aroclor 1260	ND	0.200	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	164 %	44-119							S-08
Surr: Decachlorobiphenyl	NR	54-128							S-08

01AMLA01MI-A (M106093-02) Soil

Sampled: 06/29/01 Received: 06/29/01

Aroclor 1016	ND	25000	ug/kg dry	1	EPA 8082	06/30/01	07/01/01	0106105	R-02
Aroclor 1221	ND	50100	"	"	"	"	"	"	R-02
Aroclor 1232	ND	25000	"	"	"	"	"	"	R-02
Aroclor 1242	ND	25000	"	"	"	"	"	"	R-02
Aroclor 1248	ND	25000	"	"	"	"	"	"	R-02
Aroclor 1254	68100	25000	"	"	"	"	"	"	R-02
Aroclor 1260	ND	25000	"	"	"	"	"	"	R-02
Surr: 2,4,5,6-Tetrachloro-m-xylene	NR	55-130							S-01
Surr: Decachlorobiphenyl	NR	55-130							S-01

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 00:02

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA01MI-A (M106093-02) Soil					Sampled: 06/29/01 Received: 06/29/01				
% Solids	61.8	0.0100 % by Weight	1		Gravimetric	06/29/01	06/30/01	0106103	

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 00:02

Polychlorinated Biphenyls per EPA Method 8082 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106105 - 3545 ASE

Blank (0106105-BLK1)

Prepared: 06/30/01 Analyzed: 07/01/01

Aroclor 1016	ND	167	ug/kg wet
Aroclor 1221	ND	334	"
Aroclor 1232	ND	167	"
Aroclor 1242	ND	167	"
Aroclor 1248	ND	167	"
Aroclor 1254	ND	167	"
Aroclor 1260	ND	167	"

<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	52.9		"	66.7	79.3	55-130
<i>Surr: Decachlorobiphenyl</i>	51.0		"	66.7	76.5	55-130

LCS (0106105-BS1)

Prepared: 06/30/01 Analyzed: 07/01/01

Aroclor 1254	712	167	ug/kg wet	667	107	55-130
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	55.5		"	66.7	83.2	55-130
<i>Surr: Decachlorobiphenyl</i>	56.2		"	66.7	84.3	55-130

Matrix Spike (0106105-MS1)

Source: M106093-02

Prepared: 06/30/01 Analyzed: 07/01/01

Aroclor 1254	74000	25000	ug/kg dry	1070	68100	NR	55-130		Q-03,R-02
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	0.00		"	107			55-130		S-01
<i>Surr: Decachlorobiphenyl</i>	0.00		"	107			55-130		S-01

Matrix Spike Dup (0106105-MSD1)

Source: M106093-02

Prepared: 06/30/01 Analyzed: 07/01/01

Aroclor 1254	72200	25000	ug/kg dry	1070	68100	NR	55-130	2.46	40	Q-03,R-02
<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	0.00		"	107			55-130			S-01
<i>Surr: Decachlorobiphenyl</i>	0.00		"	107			55-130			S-01

Batch 0106106 - 3520B Liq-Liq

Blank (0106106-BLK1)

Prepared: 06/30/01 Analyzed: 07/01/01

Aroclor 1016	ND	0.200	ug/l
Aroclor 1221	ND	0.400	"
Aroclor 1232	ND	0.200	"
Aroclor 1242	ND	0.200	"
Aroclor 1248	ND	0.200	"
Aroclor 1254	ND	0.200	"
Aroclor 1260	ND	0.200	"

<i>Surr: 2,4,5,6-Tetrachloro-m-xylene</i>	0.850	"	1.00	85.0	44-119
<i>Surr: Decachlorobiphenyl</i>	1.47	"	1.00	147	54-128

S-07

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 00:02

Polychlorinated Biphenyls per EPA Method 8082 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106106 - 3520B Liq-Liq

LCS (0106106-BS1)

Prepared: 06/30/01 Analyzed: 07/01/01

Aroclor 1254	10.5	2.00	ug/l	10.0		105	47-155		
Surr: 2,4,5,6-Tetrachloro-m-xylene	0.690		"	1.00		69.0	44-119		
Surr: Decachlorobiphenyl	0.925		"	1.00		92.5	54-128		

LCS Dup (0106106-BSD1)

Prepared: 06/30/01 Analyzed: 07/01/01

Aroclor 1254	10.1	2.00	ug/l	10.0		101	47-155	3.88	50
Surr: 2,4,5,6-Tetrachloro-m-xylene	0.665		"	1.00		66.5	44-119		
Surr: Decachlorobiphenyl	0.921		"	1.00		92.1	54-128		

North Creek Analytical - Mobile Lab

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 00:02

Notes and Definitions

- Q-03 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.
- R-02 The reporting limit for this analyte was raised due to the high analyte concentration present in the sample.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- S-07 Surrogate recovery is out of control limits. QA criteria are met when one surrogate is within control limits.
- S-08 Surrogate recovery is above control limits. Since no analytes were detected in the sample, the quality of the data has not been affected.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
- wet Sample results reported on a wet weight basis (as received)
- RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

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Environmental Laboratory Network

6 of 6

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			Report recreated from: \\sisters\elmnt\Report\M106093 FINAL 10 25 01 0002.mdb
0106105-MS1	8082 PCB	Aroclor 1254	R-02
0106105-MS1	8082 PCB	Aroclor 1254	Exceeds upper control limit
0106105-MS1	8082 PCB	Aroclor 1254	Q-03
0106105-MS1	8082 PCB	Decachlorobiphenyl	S-01
0106105-MS1	8082 PCB	Aroclor 1254	Spike less than MDL
0106105-MS1	8082 PCB	2,4,5,6-Tetrachloro-m-xylene	S-01
0106105-MSD1	8082 PCB	Aroclor 1254	Q-03
0106105-MSD1	8082 PCB	2,4,5,6-Tetrachloro-m-xylene	S-01
0106105-MSD1	8082 PCB	Aroclor 1254	R-02
0106105-MSD1	8082 PCB	Decachlorobiphenyl	S-01
0106105-MSD1	8082 PCB	Aroclor 1254	Spike less than MDL
0106105-MSD1	8082 PCB	Aroclor 1254	Exceeds upper control limit
0106106-BLK1	8082 PCB	Decachlorobiphenyl	S-07
0106106-BLK1	8082 PCB	Decachlorobiphenyl	Exceeds upper control limit
M106093-01	8082 PCB	Decachlorobiphenyl	S-08
M106093-01	8082 PCB	2,4,5,6-Tetrachloro-m-xylene	Exceeds upper control limit
M106093-01	8082 PCB	Decachlorobiphenyl	Exceeds upper control limit
M106093-01	8082 PCB	2,4,5,6-Tetrachloro-m-xylene	S-08
M106093-02	8082 PCB	Aroclor 1260	R-02
M106093-02	8082 PCB	2,4,5,6-Tetrachloro-m-xylene	S-01
M106093-02	8082 PCB	Aroclor 1016	R-02
M106093-02	8082 PCB	Aroclor 1221	R-02
M106093-02	8082 PCB	Aroclor 1232	R-02
M106093-02	8082 PCB	Aroclor 1242	R-02
M106093-02	8082 PCB	Aroclor 1254	R-02
M106093-02	8082 PCB	Decachlorobiphenyl	S-01
M106093-02	8082 PCB	Aroclor 1248	R-02